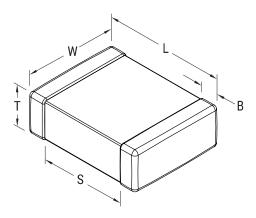
## **KEMET Part Number: C0603T102K8RALTU**

(C0603T102K8RAL7867)



SMD COTS X7R, Ceramic, 1000 pF, 10%, 10 VDC, X7R, SMD, MLCC, COTS, Temperature Stable, Class II, 0603



Dimensions		
Chip Size	0603	
L	1.6mm +/-0.15mm	
W	0.8mm +/-0.15mm	
Т	0.8mm +/-0.07mm	
S	0.7mm MIN	
В	0.35mm +/-0.15mm	

Packaging Specifications		
Packaging:	T&R, 180mm, Paper Tape	
Packaging Quantity:	4000	

General Information		
Series:	SMD COTS X7R	
Style:	SMD Chip	
Description:	SMD, MLCC, COTS, Temperature Stable, Class II	
Features:	Temperature Stable, Class II	
RoHS:	No	
Prop 65:	warning: Cancer and reproductive harm - www.p65warnings.ca.gov.	
SCIP Number:	2d771165-5336-48a3-96fa-36639	29fd828
Termination:	Lead (SnPb)	
Marking:	No	
Failure Rate:	Testing per MIL-PRF-55681 PDA 8%	
AEC-Q200:	No	
Component Weight:	4800 ug	
Shelf Life:	78 Weeks	
MSL:	1	

Specifications		
Capacitance:	1000 pF	
Measurement Condition:	1 kHz 1.0Vrms	
Capacitance Tolerance:	10%	
Voltage DC:	10 VDC	
Dielectric Withstanding Voltage:	25 VDC	
Temperature Range:	-55/+125°C	
Temperature Coefficient:	X7R	
Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC):	15%, 1kHz 1.0Vrms	
Dissipation Factor:	5% 1 kHz 1.0Vrms	
Aging Rate:	3% Loss/Decade Hour: Referee Time is 1000 Hours	
Insulation Resistance:	100 GOhms	

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